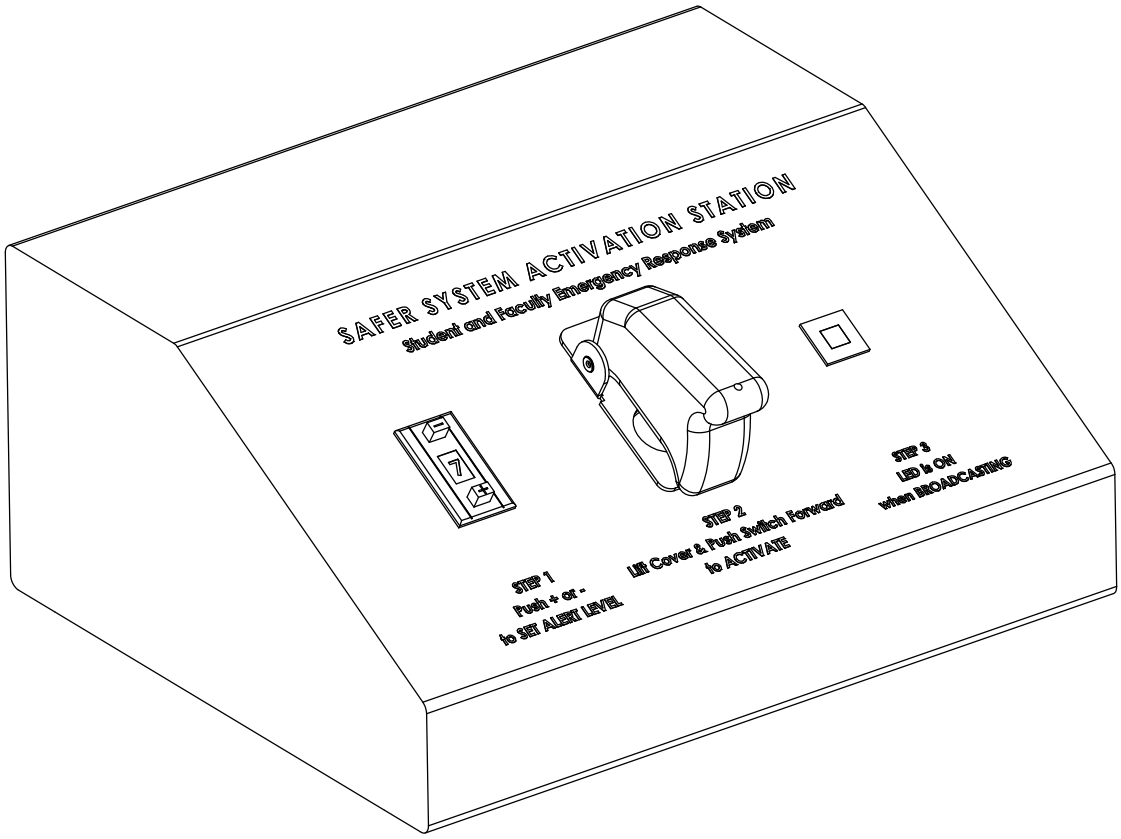

Multi-Messager Emergency Switchbox
by
Nel-Tech Labs, Inc.

Installation & User Manual

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Introduction:

The Emergency Switchbox is a ruggedized all-metal switchbox designed to extend the features of the Multi-Messager USB for critical alert applications where selection and broadcasting of emergency messages are simple and quick.

Unpacking and Inspection:

Before you begin installation, unpack and verify you have all the correct parts.

(1) Emergency Switchbox Box
(1) Avery 5160 label sheet
(1) Instruction manual

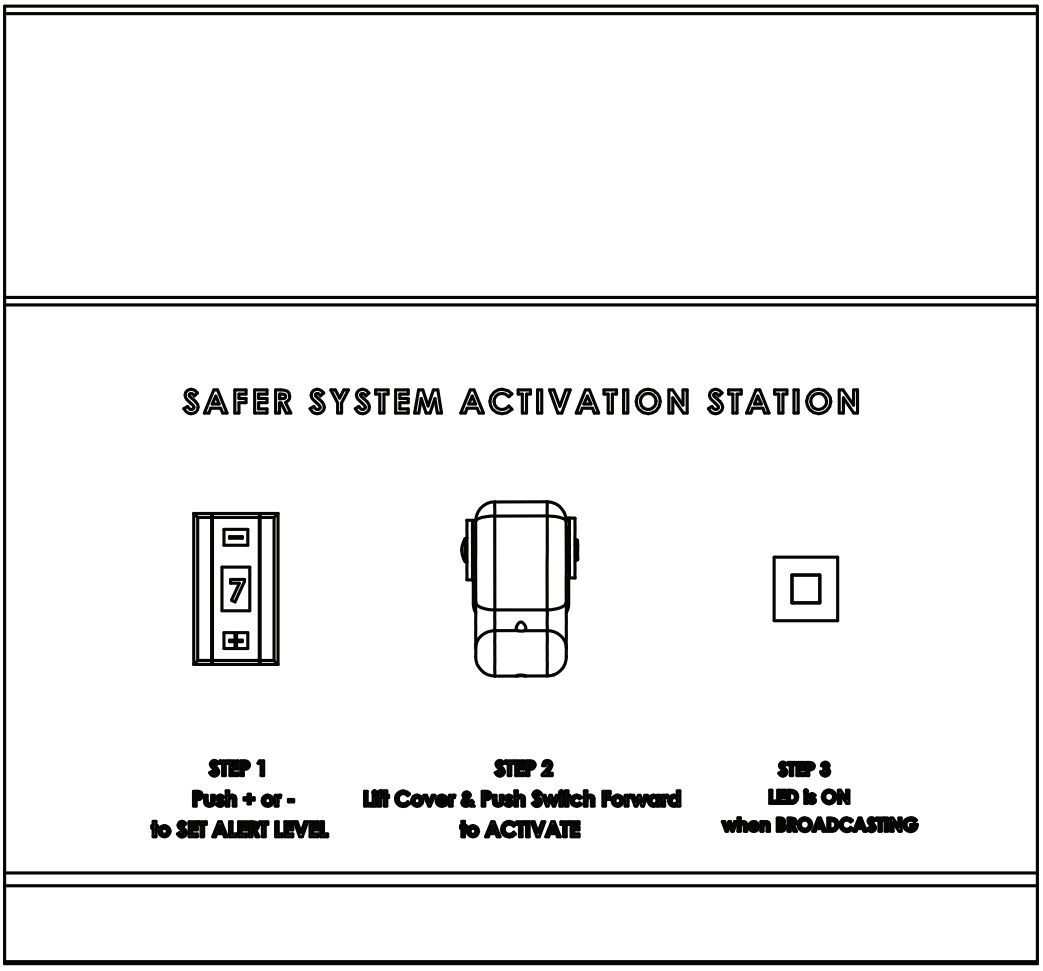
If you are missing any of these parts STOP and call your dealer.

Additional tools or supplies that may be required to complete installation (not supplied).

(1) Phillips screwdriver
(1) Wire strippers
(1) Shielded 22 or 24 gauge wire for optional wiring of screw-down connectors
(1) Multi-Messager USB message repeater (Part Number MMSG-USBWDRIVE)
(1) Relay module kit for paging activation (Part Number MMSG-BBRELAY)

Emergency Switchbox Layout Summary:

Top of Unit



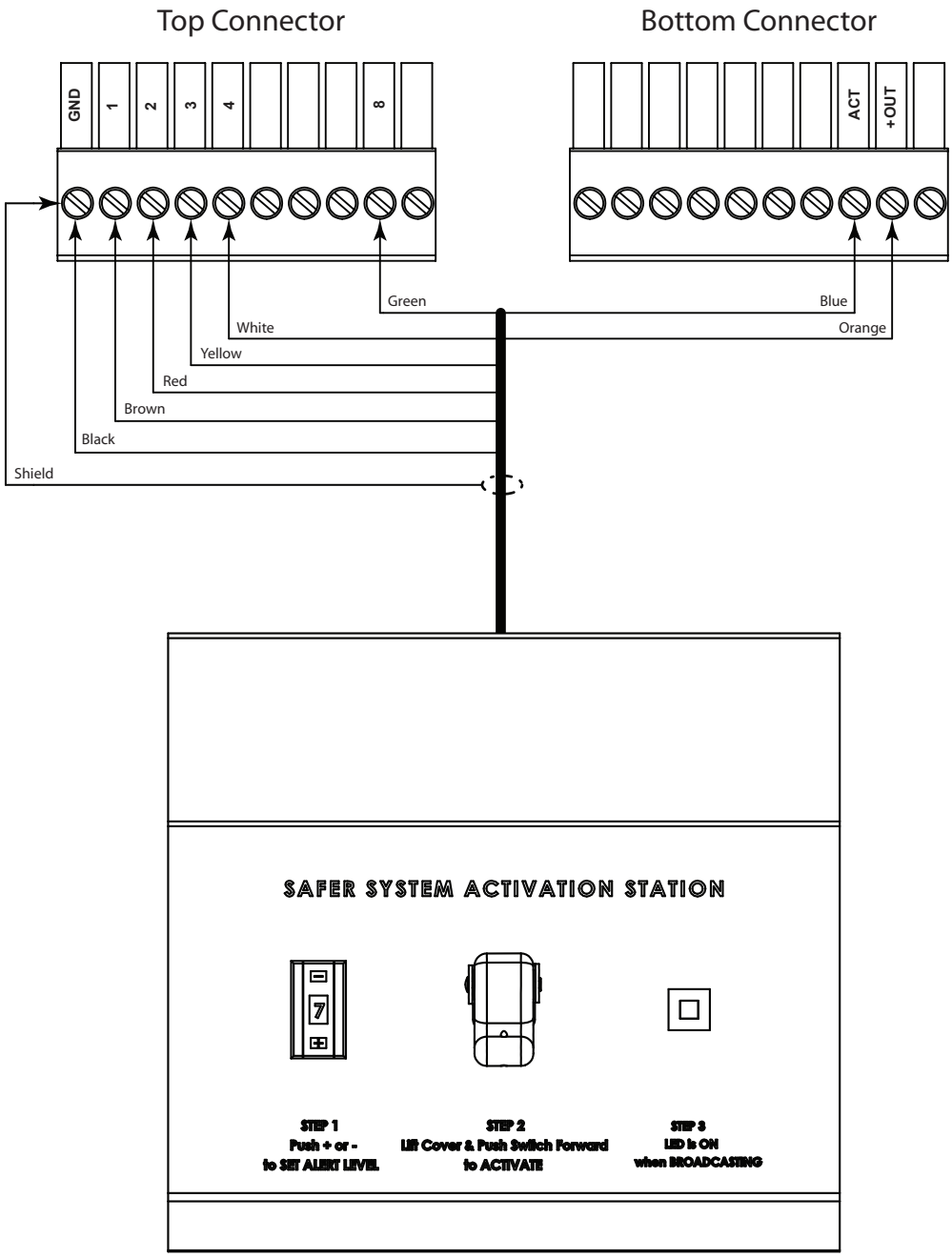
NUMERICAL SELECTOR SWITCH - This switch is used to select the appropriate message to be broadcast by pressing the “+” or “-” selection switches above or below the number indicator.

ACTIVATION SWITCH - This switch is protected by a switch guard. Once the switch guard is lifted the toggle switch can be accessed. Pushing the toggle switch forward activates the broadcast mode of the attached Multi-Messager USB digital message repeater.

STATUS - The STATUS indicator is a LED that during a broadcast will be lit GREEN. Normally this is OFF.

Rear of Unit

The rear of the unit has an 8-conductor shielded cable pre-wired to two 10-pin screw down terminal connectors.

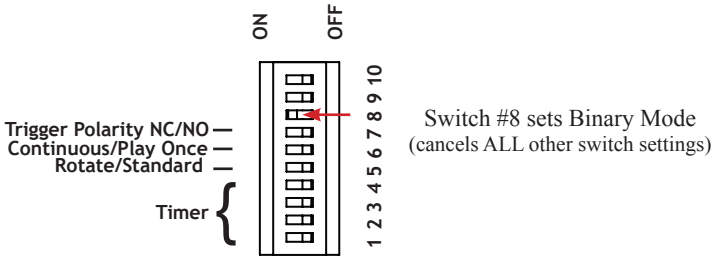


Installation:

The Emergency Switchbox should be installed using the following steps:

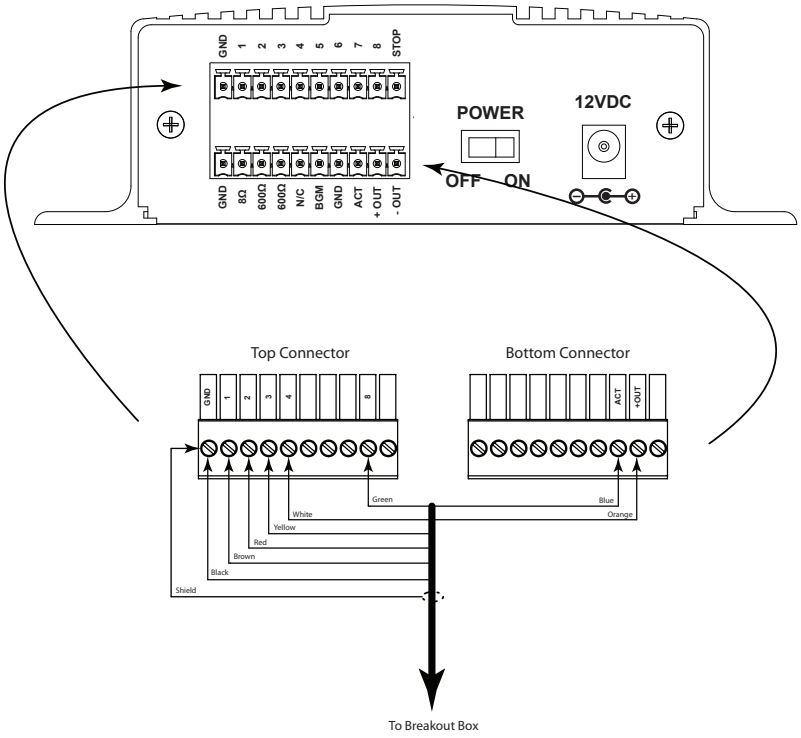
Step 1: Set Multi-Messager to Switchbox (Binary) Trigger Mode.

On the bottom of the Multi-Messager USB (not included) move DIP switch position 8 to the ON position. This will set the digital message player in the binary triggering mode which is compatible with the breakout box.



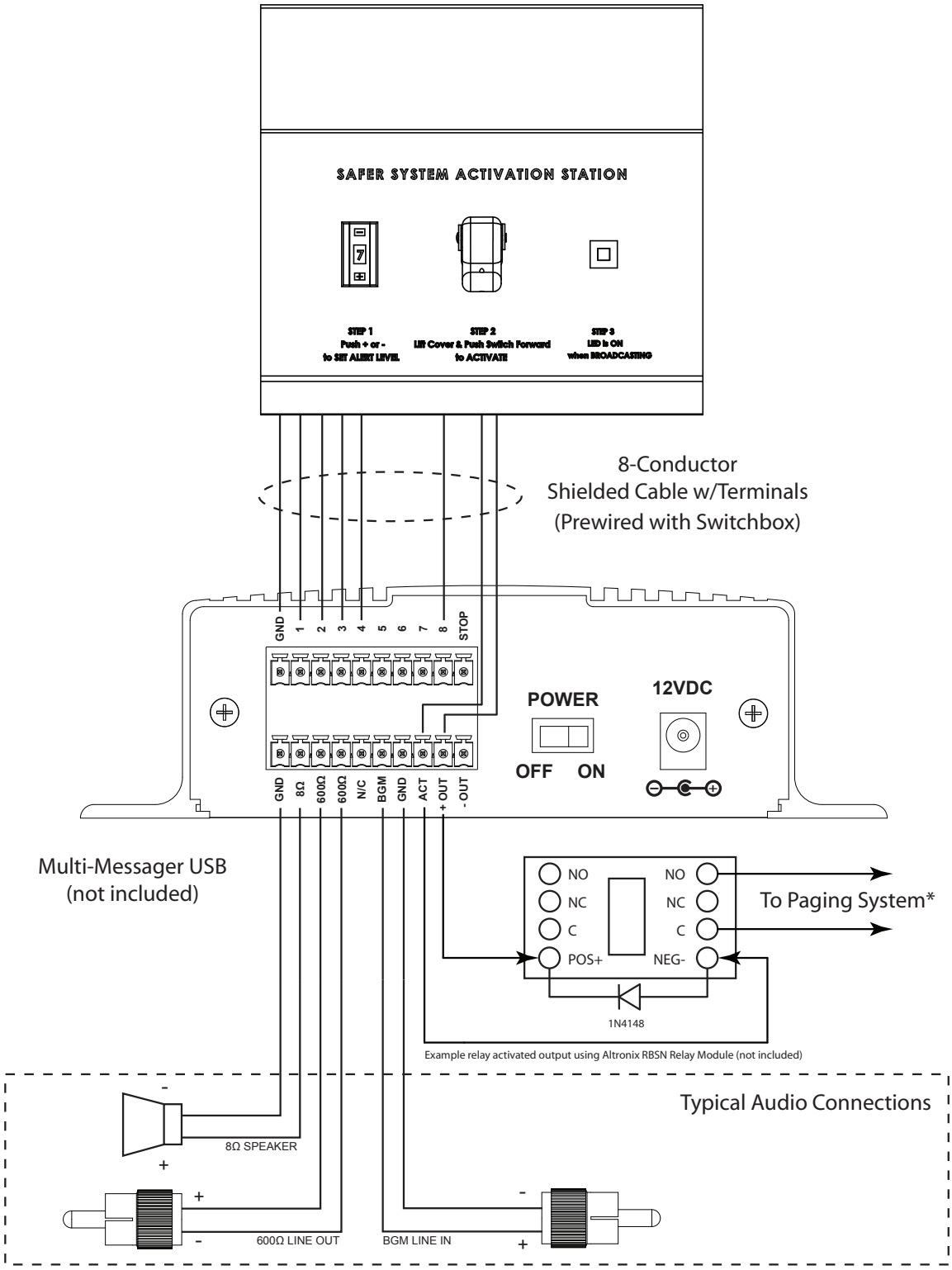
Step 2: Attach Breakout Box

Attach the switchbox's 10-position connectors to the Multi-Messager USB as shown in the diagram below.



Step 3: Additional Audio and Relay Connections

Depending upon the type of installation, additional audio connections or a relay output may be required. The diagram below outlines some of these typical connections.



* If an "all-call" page activation or similar is required to allow paging system to play audio over the speakers, then a relay module (for example an Altronix RBSN) may be needed to create the correct contact closure. Relay activation current MUST NOT EXCEED 250mA or damage to output circuit will occur.

Step 4: Creating Label to List Alert Messages

The Emergency Switchbox includes a sheet of Avery 5160 labels that will allow the user to create a message label and affix it to the top of the unit. The template file can be downloaded from the Avery website.

Example Label:

Message 1 - Weather Threat Alert Message Message 2 - Fire Threat Alert Message Message 3 - Human Threat Alert Message Message 4 - Test Message

Step 5: Message Creation

For message creation please refer to the Multi-Messager USB manual or call your dealer and they can produce a professional recorded audio program for your alert messaging needs.

Note:

If this system is used to activate a paging system an additional relay may be needed. Relay used MUST NOT exceed 25mA activation current.

An optional relay kit (MMSG-BBRELAY) that contains the appropriate relay with screw down terminals, 1N4148 diode & wire to connect to the ACT and OUT + terminals of the 10-pin terminal connector is available.

Optional Relay Module (MMSG-BBRELAY) Installation:

The Relay Module converts the active trigger output on the Multi-Messager USB to a Normally Open or Closed contact closure that can be used to trigger most paging systems.

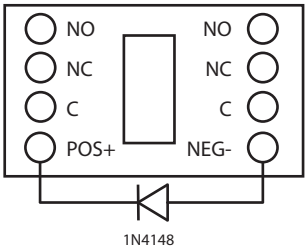
The Relay Module kit includes:

(1) Relay Module
(1) 1N4148 diode - installed on module
(1) 18 gauge red wire - 1 foot long - installed on module
(1) 18 gauge black wire - 1 foot long - installed on module

The Relay Module should be installed using the following steps:

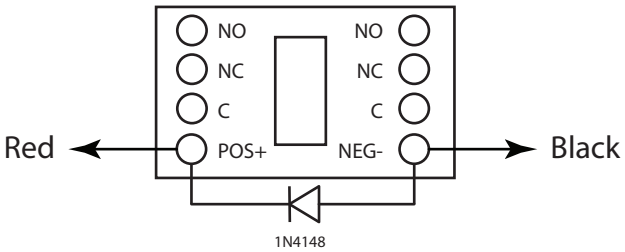
Step 1: Connect Diode

The kit is supplied with a 1N4148 diode that should already be installed. Verify that the diode is installed between the positive (+) and negative (-) of the relay module. The bar on the diode should face towards the positive(+) terminal.



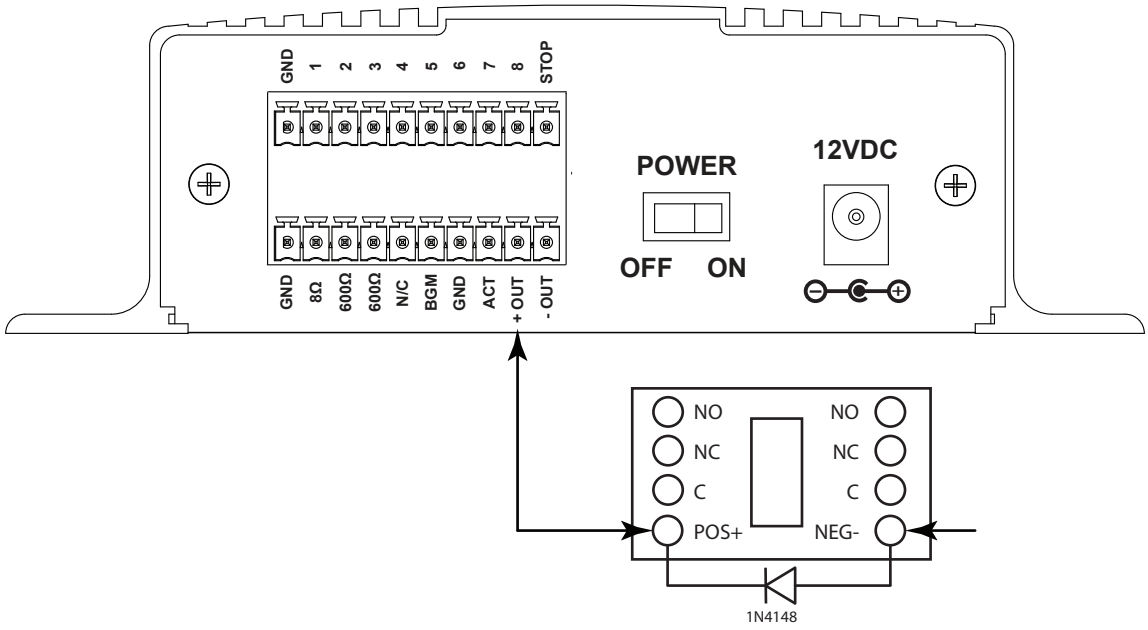
Step 2: Connect Positive and Negative Wires

The kit is supplied with a red and black 18 gauge wire that should already be installed. Verify that the red wire is connected to the positive (+) and the black to the negative (-) terminals of the module.



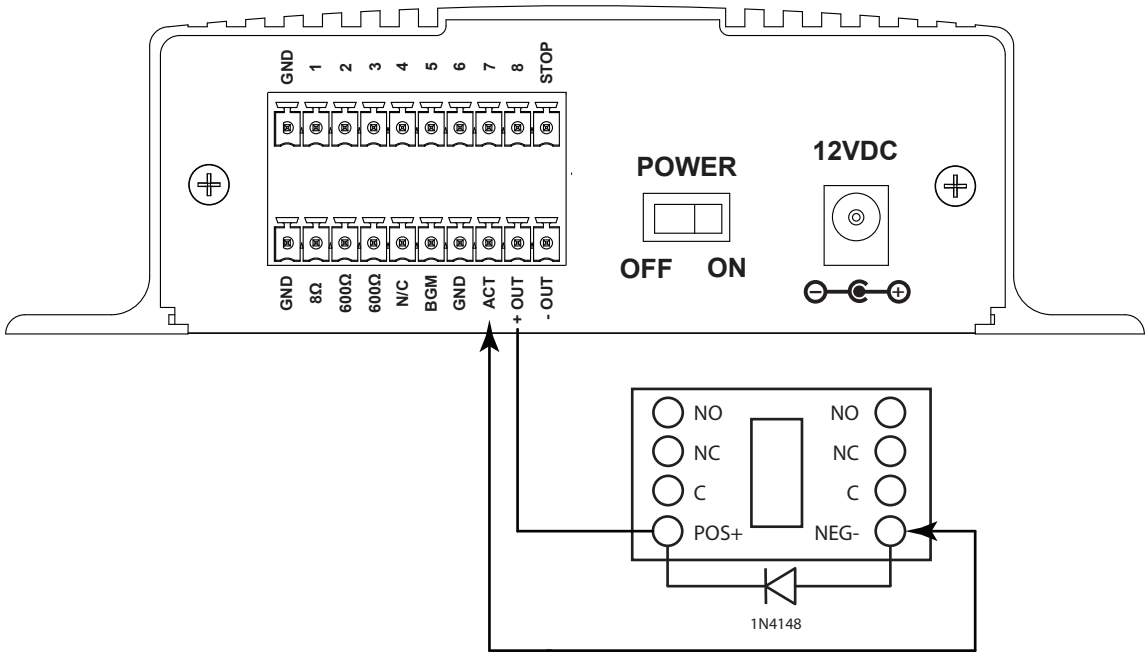
Step 3: Connect Positive Wire to Multi-Messager USB

Connect the positive (+) red wire to the OUT+ connection on the Multi-Messager USB terminal block. Take special care when connecting this wire since there will already be one wire connected into the same place on the terminal block from the switchbox.



Step 4: Connect Negative Wire to Multi-Messager USB

Connect the negative (-) black wire to the ACT connection on the Multi-Messager USB terminal block. Take special care when connecting this wire since there will already be one wire connected into the same place on the terminal block from the switchbox.

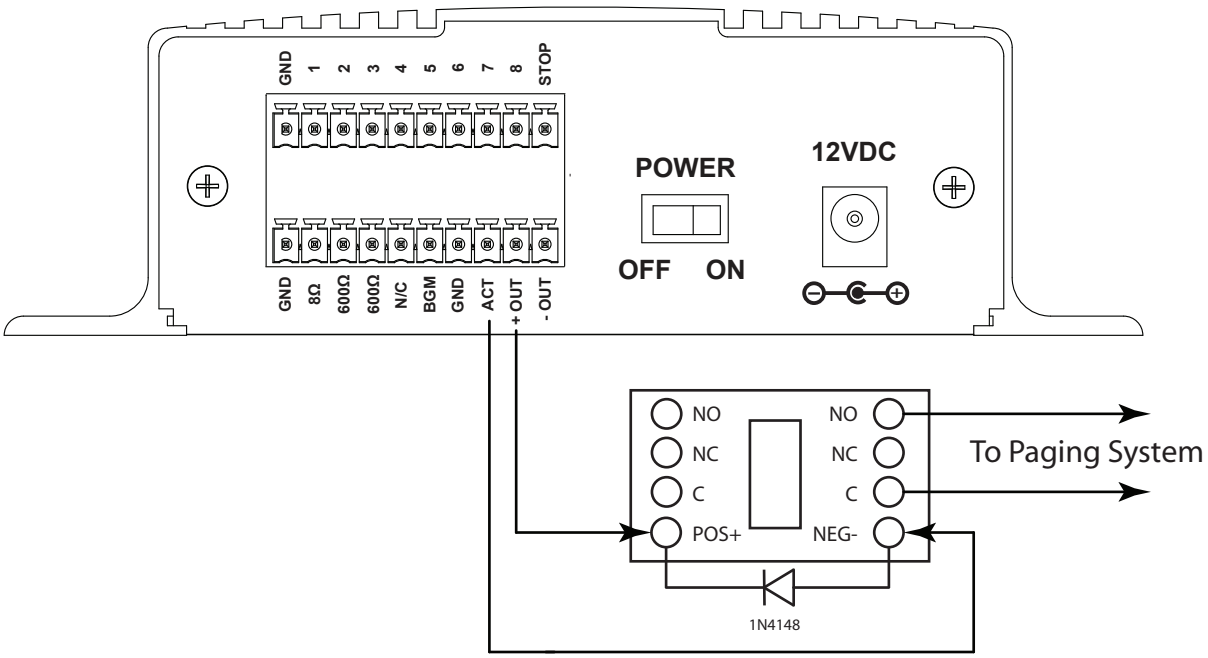


Step 5: Connect Relay Output to Paging System

Installer must supply appropriate wire for this step and verify the type of connection required for the paging system. The following is an example of the most common type of install.

Connect the Common (C) output and the Normally Open (NO) output of the relay to the paging system's trigger input.

When a message is actively playing from the message repeater then the (C) and (NO) terminals are closed together and held until the message is no longer actively playing. Please refer to your paging systems documentation if the type of connection required is different.



Limited Warranty

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REPAIRING OR REPLACING PRODUCT: Buyer may obtain the repair or replacement of any eligible part or equipment covered under this warranty through a Nel-Tech Labs dealer only. Buyer is responsible for all shipping and handling charges in connection with the performance of this warranty. Products returned to Nel-Tech Labs must be securely packaged to prevent damage in transit, freight prepaid, and insured for replacement value. A return authorization number assigned by Nel-Tech Labs must be clearly marked on the outside of the shipping container. Proof of purchase must accompany shipment. Items delivered to Nel-Tech Labs without a return authorization clearly marked on the outside of the shipping container, and/or without proof of purchase is refused.

CONTACT: Please contact Nel-Tech Labs at the address and phone number below to receive a return authorization number and to arrange for the repair or replacement of a flawed part covered by this warranty. Please indicate the Product's serial number in all correspondence or a RMA authorization number in the absence of a serial number. Nel-Tech Labs, 4 Ash Street Extension, Derry, NH 03038, Phone: 1.603.425.1096.

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Rev. 02/12

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